

## Voucher specimens deposited in the Oregon State Arthropod Collection for Masters of Science Dissertation, forest pollinators (Hymenoptera, Apiformes)

Gabriel G. Foote

Oregon State University, Department of Forest Ecosystems and Society; [gfoote27@gmail.com](mailto:gfoote27@gmail.com)

Cite this work as:

Foote, G. G. 2019. Voucher specimens deposited in the Oregon State Arthropod Collection for Masters of Science Dissertation, forest pollinators (Hymenoptera, Apiformes). Catalog: Oregon State Arthropod Collection. 3 (1) p. 1–3.  
DOI: [http://dx.doi.org/10.5399/osu/cat\\_osac.3.1.4565](http://dx.doi.org/10.5399/osu/cat_osac.3.1.4565).

**\*\*Corrigenda:** This paper has been updated since it was originally published. A copy of the original version can be found in the supplemental files

The specimens listed below were deposited in the Oregon State Arthropod Collection as voucher specimens for the Masters of Science dissertation, *Interactions between wild bee communities and Douglas-fir beetle (*Dendroctonus pseudotsugae*) populations in Douglas-fir (*Pseudotsuga menziesii*) forests of the Intermountain West* (Foote, 2019; Accession: OSAC\_AC\_2018\_12\_27-01-001). In total, 113 specimens, belonging to 66 distinct species-level taxa were deposited. Identifications were made by the author using available published keys, field guides, online resources and consultation with a professional taxonomist, Mr. Lincoln Best. In some cases, identification to species was not possible and in these cases, morphospecies are listed. Names were verified using GBIF species-name matcher (<https://www.gbif.org/tools/species-lookup>).

### Andrenidae

<a href="#">OSAC_0001085697</a>	<i>Andrena crataegi</i>	<a href="#">OSAC_0001085704</a>	<i>Andrena latifrons</i>
<a href="#">OSAC_0001085698</a>	<i>Andrena crataegi</i>	<a href="#">OSAC_0001085705</a>	<i>Andrena nivalis</i>
<a href="#">OSAC_0001085699</a>	<i>Andrena cressonii</i>	<a href="#">OSAC_0001085706</a>	<i>Andrena nivalis</i>
<a href="#">OSAC_0001085700</a>	<i>Andrena cressonii</i>	<a href="#">OSAC_0001085707</a>	<i>Andrena pallidifovea</i>
<a href="#">OSAC_0001085701</a>	<i>Andrena helianthi</i>	<a href="#">OSAC_0001085708</a>	<i>Andrena subtilis</i>
<a href="#">OSAC_0001085702</a>	<i>Andrena helianthi</i>	<a href="#">OSAC_0001085709</a>	<i>Andrena thaspia</i>
<a href="#">OSAC_0001085703</a>	<i>Andrena latifrons</i>	<a href="#">OSAC_0001085710</a>	<i>Andrena thaspia</i>
		<a href="#">OSAC_0001085711</a>	<i>Andrena sp. 1</i>
		<a href="#">OSAC_0001085712</a>	<i>Calliopsis sp. 1</i>

### Apidae

<a href="#">OSAC_0001085713</a>	<i>Anthophora bomboides</i>	<a href="#">OSAC_0001085740</a>	<i>Bombus centralis</i>
<a href="#">OSAC_0001085729</a>	<i>Anthophora occidentalis</i>	<a href="#">OSAC_0001085741</a>	<i>Bombus flavifrons</i>
<a href="#">OSAC_0001085730</a>	<i>Anthophora terminalis</i>	<a href="#">OSAC_0001085742</a>	<i>Bombus flavifrons</i>
<a href="#">OSAC_0001085731</a>	<i>Anthophora terminalis</i>	<a href="#">OSAC_0001085743</a>	<i>Bombus griseocollis</i>
<a href="#">OSAC_0001085732</a>	<i>Anthophora urbana</i>	<a href="#">OSAC_0001085744</a>	<i>Bombus griseocollis</i>
<a href="#">OSAC_0001085733</a>	<i>Anthophora ursina</i>	<a href="#">OSAC_0001085745</a>	<i>Bombus huntii</i>
<a href="#">OSAC_0001085734</a>	<i>Anthophora ursina</i>	<a href="#">OSAC_0001085746</a>	<i>Bombus huntii</i>
<a href="#">OSAC_0001085735</a>	<i>Bombus appositus</i>	<a href="#">OSAC_0001085747</a>	<i>Bombus insularis</i>
<a href="#">OSAC_0001085736</a>	<i>Bombus appositus</i>	<a href="#">OSAC_0001085748</a>	<i>Bombus insularis</i>
<a href="#">OSAC_0001085737</a>	<i>Bombus bifarius</i>	<a href="#">OSAC_0001085749</a>	<i>Bombus mixtus</i>
<a href="#">OSAC_0001085738</a>	<i>Bombus bifarius</i>	<a href="#">OSAC_0001085750</a>	<i>Bombus mixtus</i>
<a href="#">OSAC_0001085739</a>	<i>Bombus centralis</i>	<a href="#">OSAC_0001085751</a>	<i>Bombus nevadensis</i>

## Apidae (continued)

<a href="#">OSAC_0001085752</a>	<i>Bombus nevadensis</i>	<a href="#">OSAC_0001085760</a>	<i>Ceratina nanula</i>
<a href="#">OSAC_0001085753</a>	<i>Bombus occidentalis</i>	<a href="#">OSAC_0001085761</a>	<i>Diadasia diminuta</i>
<a href="#">OSAC_0001085754</a>	<i>Bombus occidentalis</i>	<a href="#">OSAC_0001085762</a>	<i>Diadasia diminuta</i>
<a href="#">OSAC_0001085755</a>	<i>Ceratina acantha</i>	<a href="#">OSAC_0001085763</a>	<i>Eucera frater</i>
<a href="#">OSAC_0001085756</a>	<i>Ceratina acantha</i>	<a href="#">OSAC_0001085764</a>	<i>Eucera edwardsii</i>
<a href="#">OSAC_0001085757</a>	<i>Ceratina neomexicana</i>	<a href="#">OSAC_0001085765</a>	<i>Eucera</i> sp. 1
<a href="#">OSAC_0001085758</a>	<i>Ceratina neomexicana</i>	<a href="#">OSAC_0001085766</a>	<i>Habropoda tristissima</i>
<a href="#">OSAC_0001085759</a>	<i>Ceratina nanula</i>	<a href="#">OSAC_0001085767</a>	<i>Habropoda tristissima</i>

## Colletidae

<a href="#">OSAC_0001085769</a>	<i>Hylaeus verticalis</i>
<a href="#">OSAC_0001085770</a>	<i>Hylaeus verticalis</i>

## Halictidae

<a href="#">OSAC_0001085771</a>	<i>Agapostemon femoratus</i>	<a href="#">OSAC_0001085783</a>	<i>Lasioglossum olympiae</i>
<a href="#">OSAC_0001085772</a>	<i>Halictus farinosus</i>	<a href="#">OSAC_0001085768</a>	<i>Lasioglossum pacificum</i>
<a href="#">OSAC_0001085773</a>	<i>Halictus farinosus</i>	<a href="#">OSAC_0001085784</a>	<i>Lasioglossum paraforbesii</i>
<a href="#">OSAC_0001085774</a>	<i>Halictus ligatus</i>	<a href="#">OSAC_0001085785</a>	<i>Lasioglossum paraforbesii</i>
<a href="#">OSAC_0001085775</a>	<i>Halictus ligatus</i>	<a href="#">OSAC_0001085786</a>	<i>Lasioglossum (Dialictus)</i> sp. 1
<a href="#">OSAC_0001085776</a>	<i>Halictus rubicundus</i>	<a href="#">OSAC_0001085787</a>	<i>Lasioglossum (Dialictus)</i> sp. 1
<a href="#">OSAC_0001085777</a>	<i>Halictus rubicundus</i>	<a href="#">OSAC_0001085788</a>	<i>Lasioglossum (Dialictus)</i> sp. 2
<a href="#">OSAC_0001085778</a>	<i>Lasioglossum anhypops</i>	<a href="#">OSAC_0001085789</a>	<i>Lasioglossum (Dialictus)</i> sp. 2
<a href="#">OSAC_0001085779</a>	<i>Lasioglossum anhypops</i>	<a href="#">OSAC_0001085790</a>	<i>Lasioglossum (Dialictus)</i> sp. 3
<a href="#">OSAC_0001085780</a>	<i>Lasioglossum athabascense</i>	<a href="#">OSAC_0001085791</a>	<i>Lasioglossum (Dialictus)</i> sp. 3
<a href="#">OSAC_0001085781</a>	<i>Lasioglossum athabascense</i>	<a href="#">OSAC_0001085792</a>	<i>Lasioglossum (Dialictus)</i> sp. 4
<a href="#">OSAC_0001085782</a>	<i>Lasioglossum olympiae</i>	<a href="#">OSAC_0001085793</a>	<i>Lasioglossum (Dialictus)</i> sp. 4

## Megachilidae

<a href="#">OSAC_0001085794</a>	<i>Anthidium mormonum</i>	<a href="#">OSAC_0001085811</a>	<i>Osmia bucephala</i>
<a href="#">OSAC_0001085795</a>	<i>Anthidium mormonum</i>	<a href="#">OSAC_0001085812</a>	<i>Osmia bucephala</i>
<a href="#">OSAC_0001085796</a>	<i>Anthidium utahense</i>	<a href="#">OSAC_0001085813</a>	<i>Osmia caerulescens</i>
<a href="#">OSAC_0001085797</a>	<i>Anthidium utahense</i>	<a href="#">OSAC_0001085814</a>	<i>Osmia coloradensis</i>
<a href="#">OSAC_0001085798</a>	<i>Ashmeadiella timberlakei</i>	<a href="#">OSAC_0001085815</a>	<i>Osmia coloradensis</i>
<a href="#">OSAC_0001085799</a>	<i>Chelostoma phaceliae</i>	<a href="#">OSAC_0001085816</a>	<i>Osmia proxima</i>
<a href="#">OSAC_0001085800</a>	<i>Dufourea maura</i>	<a href="#">OSAC_0001085817</a>	<i>Osmia proxima</i>
<a href="#">OSAC_0001085801</a>	<i>Dufourea maura</i>	<a href="#">OSAC_0001085818</a>	<i>Osmia simillima</i>
<a href="#">OSAC_0001085802</a>	<i>Hoplitis albifrons</i>	<a href="#">OSAC_0001085819</a>	<i>Osmia simillima</i>
<a href="#">OSAC_0001085803</a>	<i>Hoplitis albifrons</i>	<a href="#">OSAC_0001085820</a>	<i>Osmia vandykei</i> or <i>Osmia sandhouseae</i>
<a href="#">OSAC_0001085804</a>	<i>Hoplitis fulgida</i>	<a href="#">OSAC_0001085821</a>	<i>Osmia vandykei</i> or <i>Osmia sandhouseae</i>
<a href="#">OSAC_0001085805</a>	<i>Hoplitis fulgida</i>		
<a href="#">OSAC_0001085806</a>	<i>Hoplitis producta</i>		
<a href="#">OSAC_0001085807</a>	<i>Megachile montivaga</i>	<a href="#">OSAC_0001085822</a>	<i>Osmia</i> sp. 1
<a href="#">OSAC_0001085808</a>	<i>Megachile perihirta</i>	<a href="#">OSAC_0001085823</a>	<i>Osmia</i> sp. 1
<a href="#">OSAC_0001085809</a>	<i>Megachile perihirta</i>	<a href="#">OSAC_0001085824</a>	<i>Osmia</i> sp. 2
<a href="#">OSAC_0001085810</a>	<i>Osmia laeta</i>		

**References**

Foote, G. G. (2019). Interactions between wild bee communities and Douglas-fir beetle (*Dendroctonus pseudotsugae*) populations in Douglas-fir (*Pseudotsuga menziesii*) forests of the Intermountain West. Dissertation (MSc), Oregon State University. Department of Forest Ecosystems and Society. Corvallis. OR.